



National Weather Service

Storm Data and Unusual Weather Phenomena



April 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage	Character of Storm
					Killed	Injured	Property Crops	
<u>WISCONSIN, Southeast</u>								
WIZ046>047-051>052-056>060-062>072			Marquette - Green Lake - Fond Du Lac - Sheboygan - Sauk - Columbia - Dodge - Washington - Ozaukee - Iowa - Dane - Jefferson - Waukesha - Milwaukee - Lafayette - Green - Rock - Walworth - Racine - Kenosha					
	13	0100CST 0730CST			0	0		Fog
	Dense fog developed during the overnight hours, lowering visibilities to 18 to 1/4 mile. Several airplane flights were delayed at most airports.							
Dane County								
4 S Cross Plains	14	1720CST			0	0		Hail(0.75)
	Isolated severe thunderstorm. Severe weather spotter trailing the storm noted some cloud base rotation and a in-flow/feeder cloud band underneath the updraft tower.							
Sheboygan County								
Plymouth	18	0636CST			0	0		Hail(0.75)
Fond Du Lac County								
Waupun	18	0647CST			0	0	3K	Lightning
Sheboygan County								
Sheboygan	18	0655CST			0	0	1K	Hail(0.75)
	A warm front lifting north through southern Wisconsin triggered elevated convection. A couple of the storms became severe. The hail damaged garden vegetables at Lakeland College in Sheboygan. Lightning started a fire which damaged the roof of a home in Waupun.							
Marquette County								
4 E Oxford	18	1254CST			0	0		Hail(0.75)
Columbia County								
3 S Portage	18	1415CST			0	0		Lightning
Lafayette County								
3 NW Belmont	18	1415CST			0	0	0.50K	Hail(1.00)
Lafayette County								
Belmont	18	1417CST			0	0	3K	Hail(1.75)
Iowa County								
1 S Mineral Pt	18	1438CST			0	0		Hail(0.88)
Sauk County								
Merrimac	18	1500CST			0	0		Hail(1.00)
Sauk County								
Prairie Du Sac	18	1500CST			0	0		Hail(0.88)
Columbia County								
Portage	18	1509CST			0	0		Hail(1.00)
Sauk County								
3 E Baraboo	18	1515CST			0	0		Thunderstorm Wind (G61)
Columbia County								
5 NNE Okee	18	1520CST			0	0		Hail(1.00)
Sauk County								
Merrimac	18	1533CST			0	0	2K	Hail(1.75)
Jefferson County								
3 S Ft Atkinson	18	1540CST			0	0		Lightning
Marquette County								
Endeavor	18	1553CST			0	0		Hail(0.75)
Dane County								
Madison	18	1600CST			0	0		Hail(0.75)
Dane County								
Madison	18	1600CST			0	0	5K	Lightning



National Weather Service

Storm Data and Unusual Weather Phenomena



April 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage	Property		Character of Storm
					Killed	Injured	Crops			
<u>WISCONSIN, Southeast</u>										
Dane County										
1 SW (Msn)Truax Fld M	18	1610CST			0	0				Hail(1.00)
Dane County										
1 SW Madison	18	1610CST			0	0				Hail(1.00)
Rock County										
2 NE Clinton	18	1615CST			0	0				Funnel Cloud
Dane County										
Madison	18	1622CST			0	0		5K		Lightning
Rock County										
Milton	18	1625CST			0	0				Thunderstorm Wind (G57) ^M
Dane County										
Madison	18	1629CST			0	0				Hail(0.88)
Green Lake County										
Berlin	18	1634CST 1639CST			0	0				Hail(0.75)
Dane County										
Monona	18	1635CST			0	0				Hail(0.75)
Rock County										
Evansville	18	1800CST			0	0				Hail(1.00)
Dane County										
Deerfield	18	1830CST			0	0		5K		Hail(2.00)
Iowa County										
2 W Highland	18	1836CST			0	0				Thunderstorm Wind (G52)
Rock County										
Janesville	18	1840CST			0	0				Hail(0.75)
Rock County										
Johnstown to 1.2 E Johnstown	18	1844CST 1847CST			0	0				Hail(0.75)
Marquette County										
Briggsville	18	1937CST			0	0				Thunderstorm Wind (G52)
Iowa County										
Dodgeville	18	1958CST			0	0				Thunderstorm Wind (G52)
Columbia County										
Poynette	18	2005CST			0	0				Thunderstorm Wind (G52)
Green Lake County										
5 SSW Green Lake	18	2010CST			0	0				Hail(0.75)
Dodge County										
Beaver Dam	18	2023CST			0	0				Thunderstorm Wind (G53) ^M
Lafayette County										
Gratiot to Woodford	18	2030CST 2050CST			0	0				Thunderstorm Wind (G56)
Dane County										
Middleton	18	2032CST			0	0				Thunderstorm Wind (G52)
Dodge County										
Waupun	18	2037CST			0	0				Thunderstorm Wind (G52) ^M
Fond Du Lac County										
Waupun	18	2037CST			0	0				Thunderstorm Wind (G52)
Dodge County										
4 NE Horicon	18	2040CST			0	0				Lightning



National Weather Service

Storm Data and Unusual Weather Phenomena



April 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed Injured	Estimated Damage Property Crops	Character of Storm
<u>WISCONSIN, Southeast</u>							
Dodge County							
Watertown to Mayville	18	2040CST 2045CST			0 0	55K	Thunderstorm Wind (G52)
Green County							
4.5 NNW Browntown to Monroe	18	2045CST 2055CST			0 0	200K	Thunderstorm Wind (G61)
Jefferson County							
Lake Mills	18	2045CST			0 0		Thunderstorm Wind (G51) ^M
Green County							
1 WSW Brodhead	18	2102CST			0 0	15K	Thunderstorm Wind (G56)
Sheboygan County							
Greenbush	18	2111CST			0 0		Hail(0.75)
Rock County							
(Jvl)Rock Co Arpt Ja to 5 NE Beloit	18	2114CST 2122CST			0 0	10K	Thunderstorm Wind (G55) ^M
Washington County							
West Bend	18	2115CST			0 0	3K	Thunderstorm Wind (G52)
Walworth County							
Whitewater	18	2125CST			0 0		Thunderstorm Wind (G52) ^M
Milwaukee County							
Brown Deer	18	2132CST			0 0		Thunderstorm Wind (G53) ^M
Racine County							
Burlington	18	2157CST			0 0		Thunderstorm Wind (G52)
Kenosha County							
1 NNE Silver Lake	18	2203CST			0 0	4K	Thunderstorm Wind (G52)

Severe storms, with large hail and damaging, straight-line, downburst winds, developed ahead and along a cold front, which plowed east into an unseasonably warm, moist airmass over southern Wisconsin. Maximum afternoon temperatures were in the mid to upper 80s, or about 30 to 35 degrees above normal. April 18th was the last of four straight days with maximum temperatures in the mid 70s to upper 80s. The hail stones ranged from 3/4 inch to 2 inches in diameter, resulting in several vehicles receiving dents (in Lafayette, Sauk, and Dane County). The damaging winds were mostly in the 60 to 70 mph range resulting in numerous reports of uprooted trees. Dozens of power lines were pulled down as broken tree branches fell on them. About 25,000 customers lost electrical power, based on utility company records. The areas with the largest amount of tree damage were: 1) from Graiot to Woodford in Lafayette Co., 2) from northwest of Browntown to Monroe in Green Co., and 3) from Watertown to Mayville in Dodge Co. Otherwise, tree damage due to wet microbursts was scattered. A semi-trailer northeast of Beloit on Interstate 90 sustained damage when it was blown over by the powerful thunderstorm winds. Just west-southwest of Brodhead, a shed was blown down. In the area northwest of Browntown to Monroe, a barn was blown down, a shed was blown on to a home, and two residential roofs were damaged by broken tree limbs. A shed under construction at the Watertown High School in Dodge County was damaged by the powerful winds. A wind-toppled tree damaged a vehicle near Silver Lake (Kenosha Co.). Lightning started a 75 acre grass fire in the Horicon Marsh in Dodge County, a 1 acre grass fire south of Ft. Atkinson in Jefferson County, and a 5 acre grass fire south of Portage in Columbia County. Elsewhere, separate lightning strikes started fires which damaged the roof of two Madison (Dane Co.) homes. Several of the thunderstorms had mesocyclones, and cloud-base rotation was noted by severe weather spotters, however there were no tornado reports. A 50-year-old male died in a community-baed residential home In Milwaukee County about 1600CST on April 16th, the 2nd consecutive day with maximum temperatures well into the 80s. Medical examiners indicated that heat was a secondary cause of death, since the man was on several medications and had other medical problems. Consequently, this death is classified as indirect. In addiiton, heat index values on the 16th didn't exceed the threshold values (heat index was about 90) to allow for an excessive heat event entry in the month of April, 2002.